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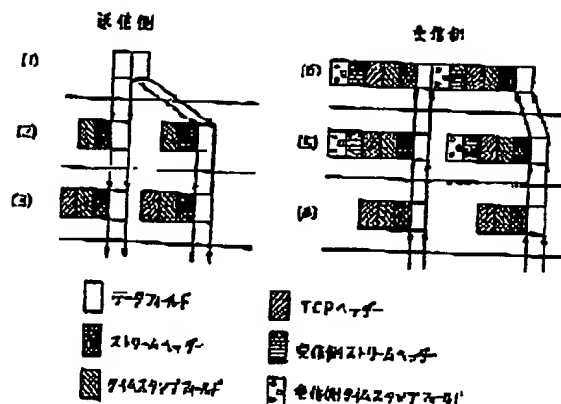
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APPLICANT :   NIPPON TELEGR & TELEPH CORP
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TITLE   :   METHOD FOR ADDING TIME STAMP
             TO DATA PACKET

ABSTRACT :   PROBLEM TO BE SOLVED: To calculate the delay time between an application layer and a stream head layer in transmission/reception by using the time stamp on a transmission side stream head layer and the time stamp of a reception side stream head layer in an application layer.

SOLUTION: In the stream head layer 2 of a transmission side host device, a function disassembling the data packet transferred from an application layer 1 and transferring the data packet to a TCP layer 3 is provided. In this case, when the data packet is delivered from the application layer 1 in the head layer 2, the stream header including the time stamp field to which the time stamp is imparted is added to the disassembled data packet and the data packet is transferred to the TCP layer 3. In the stream head layer 5 of a reception side host device, the stream header including the time stamp field to which the time stamp is imparted is added to the TCP packet delivered from a TCP layer 4, the data packet is reassembled and transferred to an application layer 6.